UM Department of Electrical & Computer Engineering
Price Faculty of Engineering

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Assistant Professor, Computer Engineering
Department of Electrical and Computer Engineering
Price Faculty of Engineering
University of Manitoba
Position #: 31147

The Department of Electrical and Computer Engineering, University of Manitoba, invites applications for a full-time tenure-track position at the Assistant Professor rank in the broadly-defined area of Computer Engineering. The successful applicant should be able to take up the position January 15, 2022 or as soon as possible thereafter. This position represents an expansion of our department made possible by the recent generous gift to the Faculty from Dr. Gerry Price and family. Salary will be commensurate with experience and qualifications.

The successful applicant must hold an earned Ph.D. in Computer Engineering, Electrical Engineering, or a related area, and be eligible for registration as a Professional Engineer (P.Eng.) with Engineers Geoscientists Manitoba. Applicants must have a demonstrated record of research as indicated by scholarly publications, and the potential for developing an impactful externally funded research program which will provide an inclusive environment for the supervision of a diverse group of graduate students. Applicants will demonstrate their ability or potential for high quality undergraduate and graduate teaching, proficiency in oral and written communication, and the ability to engage with a diverse audience. It is expected that the successful applicant will teach courses at the undergraduate and graduate level in Computer Engineering. As a member of our departmental community, the successful applicant will share in professional service and outreach within, and beyond, the academy.

Our Department offers two accredited undergraduate programs in Computer Engineering and Electrical Engineering. Commensurate with national trends, we are currently experiencing an expansion of student interest in Computer Engineering and anticipate that this will continue. Combined, this community represents over 450 undergraduate students and will expand in concordance with the resources associated with the donor's gift. Committed to pedagogical excellence, the two programs share a capstone design project that encourages projects with high levels of interdisciplinarity that are frequently student-initiated and/or conducted in collaboration with local industry. A significant proportion of our students engage in extracurricular design team activities spanning a wide range of interests and international competitions, and take advantage of our Co-operative Education / Industry Internship Program that provides placement opportunities locally, nationally and internationally.

In addition, our Department is home to approximately 200 graduate students pursuing either the Ph.D. or M.Sc. degree. This diverse group already meets the Engineers Canada "30 by 30" target and is the largest research graduate student community found within a single department at the University of Manitoba. This vibrant research community incorporates strong connections to companies ranging from start-ups to major corporations across multiple sectors.

Currently, the Department has 34 academic staff, an Engineer-in-Residence and over 40 postdoctoral fellows, visiting scholars and adjunct professors. Included in these are three Canada Research Chairs as well as a number of prominent researchers who have achieved recognition as NSERC Industrial Research Chairs, Fellowship of the Royal Society of Canada, and University Distinguished Professorships. The scholarly vision of the department is supported by 17 technical and administrative staff. We maintain substantially-funded research activities with strong connections across our campus and to other institutions. These are complemented by collaborations with industrial partners and government research laboratories. Additional information on the Department can be found at our website (umanitoba.ca/ece). Applicants may also find the current Strategic Research Plan of the University a useful snapshot of the broader portfolio of activity at the University of Manitoba (umanitoba.ca/strategic-plan).

The successful applicant will bring a fresh pedagogical vision to our Computer Engineering program, and a vision for an innovative portfolio of research that will leverage our resources and collaborative strengths. The search committee will be keen to hear how applicants have taken up opportunities to advance principles of academic integrity, EDI and reconciliation in their career to date and how they will strengthen our shared commitment to meaningful progress in these important societal challenges.

Located on original lands of Anishinaabeg, Cree, Oji-Cree, Dakota, and Dene peoples, and on the homeland of the Métis Nation, the University of Manitoba was founded more than 140 years ago, and is the Province's largest research-intensive university. The wider university community encompasses nearly 30,000 students, 9,000 faculty and staff, and over 140,000 alumni. Our campus is located within the City of Winnipeg, a culturally diverse community of about 800,000 that is known for its variety of summer and winter festivals. This vibrant prairie city has world-class arts and entertainment, professional sports teams and the amenities of a major centre - but with the atmosphere of a smaller, friendlier city. Our public education system is complemented by a wide variety of private schools and numerous opportunities for extra-curricular activities. This provides an affordable, balanced lifestyle and offers access to some of the most beautiful lake country and recreational facilities in North America. For more information about Winnipeg and our surroundings, please visit Tourism Winnipeg, City of Winnipeg, and Travel Manitoba websites.

The University of Manitoba is committed to the principles of equity, diversity & inclusion and to promoting opportunities in hiring, promotion and tenure (where applicable) for systemically marginalized groups who have been excluded from full participation at the University and the larger community including Indigenous Peoples, women, racialized persons, persons with disabilities and those who identify as 2SLGBTQIA+ (Two Spirit, lesbian, gay, bisexual, trans, questioning, intersex, asexual and other diverse sexual identities). All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

If you require accommodation supports during the recruitment process, please contact UM.Accommodation@umanitoba.ca or 204-474-7195. Please note this contact information is for accommodation reasons only.

Applicants are requested to submit the following materials, preferably via email as one PDF file attachment, by the application deadline of November 30, 2021. These materials will be shared with the members of the search committee. The complete application package must include:

1. Cover letter with a concise summary of qualifications and a personal statement of suitability for the position,
2. Complete curriculum vitae,
3. Research statement highlighting the applicant's most significant contributions and connecting these to the applicant's vision of success in the short-term, medium-term (~5 years) and long-term (career),
4. Statement of teaching philosophy and interests that documents the applicant's experience in, and approach to, training and mentoring diverse students,
5. Statement describing past, present or planned actions to promote equity, diversity, inclusion and reconciliation in the academic community (maximum one page), and
6. Names and addresses of three (3) referees

Applications should be delivered to Ms. Sheri Miles (Sheri.Miles@umanitoba.ca) referring to **Position #31147** in the subject heading and addressed to the search committee in the care of:

Dr. Derek Oliver, Professor and Head
Department of Electrical and Computer Engineering
Price Faculty of Engineering
University of Manitoba

Review of applications will begin on December 6, 2021 and will continue until the position is filled. The expected start-date for the successful applicant is January 15, 2022.

Application materials, including letters of reference, will be handled in accordance with the protection of privacy provisions of *The Freedom of Information and Protection of Privacy Act (Manitoba).* Please note that all application materials will be provided to participating members of the search process.